

We claim:

1. A cellular phone communication device comprising:
 - a radio frequency module configured to receive and send communication data;
 - a codec controller coupled to said radio frequency module and configured to identify data portions related to an executable codec file; and
 - a codec engine coupled to said codec controller, said codec engine configured to store an executable codec file received by said communication device and identified by said codec controller.
2. The cellular phone communication device according to claim 1 further comprising a memory unit for storing a plurality of executable codec files received by said device.
3. The cellular phone communication device according to claim 2, wherein said codec controller provides at least one of said plurality of executable codec files to said codec engine.
4. The cellular phone communication device according to claim 2, wherein said communication data are coded in accordance with a circuit switched data arrangement.
5. The cellular phone communication device according to claim 4 wherein said communication data includes a codec portion and a coded data portion.

6. The cellular phone communication device in accordance with claim 5,
wherein said codec portion includes a codec executable file, that is
downloaded in said codec engine for coding data received in said coded data
portion.
7. The cellular phone communication device in accordance with claim 6 wherein
said codec portion further comprises a codec flag containing information that
indicate presence of an executable codec file and a codec type that contains
information that associates coded data with a corresponding executable codec
file, so that said codec engine receives an executable codec file associated
with an incoming coded data.
8. The cellular phone communication device according to claim 2, wherein said
communication data are coded in accordance with a packet switched data
arrangement.
9. The cellular phone communication device according to claim 8 wherein said
communication data includes a plurality of codec header packets and codec
data packets.
10. The cellular phone communication device in accordance with claim 9,
wherein said codec header packets include a codec executable file in a data

field, said executable file is downloaded in said codec engine for coding data received in said codec data packets.

11. The cellular phone communication device in accordance with claim 10 wherein said codec header packet further comprises a codec flag containing information that indicate presence of an executable codec file and a codec type that contains information that associates coded data with a corresponding executable codec file, so that said codec engine receives an executable codec file associated with an incoming coded data.
12. The cellular phone communication device in accordance with claim 11, wherein said codec header packet further comprises a fragment field that contains information indicating whether a packet is a final packet comprising a codec executable file.
13. A cellular network system for enabling communication among a plurality of cellular phone devices, said network system comprising:
 - a cellular network for routing communication data, said cellular network comprising a codec handling layer configured to add codec related information to said communication data, including a codec executable file;
 - a plurality of phone devices coupled to said cellular network, said phone devices having a codec controller configured to identify said codec related information.

14. The system in accordance with claim 13, wherein said cellular network is further coupled to a plurality of terminals via Internet, so as to route said communication data among said cellular phone devices and said terminals.
15. The system in accordance with claim 14, wherein said phone devices further comprise a codec engine configured to execute a codec executable file received from said cellular network.
16. The system in accordance with claim 15, wherein said codec engine decodes data received from said cellular network in accordance with said received codec executable file.
17. A method in a cellular phone device for receiving and transmitting communication data via a cellular communication network, said method comprising the steps of:
 - a) receiving a plurality of communication data, said communication data including a codec related portion and a corresponding data related portion, said codec related portion including a codec executable file for decoding data contained in said data related portion;
 - b) processing said codec executable file, such that said corresponding data related portion is decoded in accordance with said codec executable file; and

c) coding communication data generated in said cellular phone device in accordance with said codec executable file, for transmission to said cellular network.

18. The method in accordance with claim 17 further comprising the step of encapsulating said codec related information to a circuit switched communication data.

19. The method in accordance with claim 17, further comprising the step of encapsulating said codec related information to a packet switched communication data.